

Susan K. Schultz, M.D.

**Geriatric Psychiatry, James A. Haley Veterans Hospital
Mental Health and Behavioral Science Service
Adjunct Professor of Psychiatry, University of Iowa Carver College of Medicine
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I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. Institutions Attended

- 1982-86 B.A., Biology and English, with distinction, Nebraska Wesleyan University
- 1986-90 M.D., University of Nebraska Medical Center, College of Medicine, Omaha, NE
- 1990-94 Resident in Psychiatry, University of Iowa Hospitals and Clinics
- 1993-95 Post-doctoral Fellow, Clinical Neurobiology, Mental Health Clinical Research Center NIMH T32 Fellowship; University of Iowa

Diplomate

- 1991 National Board of Medical Examiners, 10/91
- 1995 American Board of Psychiatry and Neurology, Adult Psychiatry 41843 10/14, Recertified 2015
- 1996 American Board of Psychiatry and Neurology- Subspecialty Certification: Geriatric Psychiatry, 2232, 11/6, Recertified 2016
- 2006 American Board of Psychiatry and Neurology- Subspecialty Certification: Psychosomatic Medicine, 556, Recertified 2016

Licensure

- 1990-present Iowa, Medical License #28621

B. Professional and Academic Positions

- 1995-00 Assistant Professor of Psychiatry, Dept. of Psychiatry, University of Iowa Hospitals and Clinics, Iowa City, IA
- 2000-07 Associate Professor of Psychiatry, Dept. of Psychiatry, University of Iowa Carver College of Medicine, Iowa City, IA
- 2003-15 Associate Director for Clinical Research, UI Center on Aging University of Iowa College of Medicine, Iowa City, IA
- 2007-16 Professor of Psychiatry, Dept. of Psychiatry, University of Iowa Carver College of Medicine, Iowa City, IA

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| 2011-16 | Vice-Chair for Clinical Translation, Department of Psychiatry, University of Iowa Carver College of Medicine, Iowa City, IA |
| 2013-16 | Director, Iowa Center on Aging; Geriatric Education Center and Geriatric Workforce Enhancement Program HRSA Center, University of Iowa Hospitals and Clinics, Iowa City, IA |
| 2014-16 | Director, Aging Mind and Brain Initiative, University of Iowa, Provost's Cluster Hire Initiative in Aging Research |
| 2016-present | Geriatric Psychiatrist, James Haley VA Hospital Mental Health and Behavioral Science Service |

C. Honors, Awards, Recognitions, Outstanding Achievements

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| 1982-86 | National Merit Scholar |
| 2000 | NARSAD Klerman Award for Outstanding Clinical Investigators (July) |
| 2006-07 | Member, Best Doctors: Geriatric Psychiatry |
| 2006-present | Deputy Editor, American Journal of Psychiatry |
| 2007-10 | Advisory Committee Service Award, FDA Psychopharmacologic Advisory Committee |
| 2007-13 | Diagnostic and Statistical Manual-5, Overall DSM-5 Text Editor |
| 2009 | East Central Iowa Alzheimer's Association "Award of Organizational Excellence in Alzheimer's Care" |
| 2009-14 | Member, Best Doctors: Geriatric Psychiatry |
| 2010 | George Winokur Research Award, American Academy of Clinical Psychiatrists |
| 2011 | East Central Iowa Alzheimer's Association "Award of Excellence in Caregiving" |
| 2012-13 | Member, Best Doctors: Geriatric Psychiatry |
| 2013-present | Distinguished Fellow, American Psychiatric Association |
| 2014-15 | President, American Association for Geriatric Psychiatry |
| 2014-15 | Executive Leadership in Academic Medicine (ELAM), Drexel University |
| 2010-present | American College of Neuropsychopharmacology, Member 2010; Fellow 2015 |
| 2014-present | Member, DSM Steering Committee, APA appointment |
| 2016-present | Invited member, American College of Psychiatrists |

II. TEACHING

A. Teaching Assignments

Clinical Teaching

- Small group clinical cases conferences conducted during appropriate rotations for the USF Geriatric Psychiatry fellow, demonstration of psychiatric interviews
- Supervision of resident physicians in geriatric outpatient clinic, general inpatient units
- Supervision of nurse practitioners in geriatric psychiatry outpatient clinic

B. Post-doctoral Students Supervised

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| 1996 | M. Regina Striegel PhD, "Neuropsychological & Symptom Assessment of Nursing Home Subjects" University of Iowa, Psychology |
| 1999 | Cem Atbasoglu MD, "The Relation between Neuroleptic-Induced Akathisia and Depression" and Ruth Spinks PhD, "Neuropsychological Changes with Age in Schizophrenia" UI Mental Health Clinical Research Center |
| 1999-02 | Vicki Ellingrod PharmD, "Genetic Predictors of Antipsychotic Induced Weight Gain" Post-Doctoral Project, UI College of Pharmacy |
| 2000-04 | Ryan Carnahan PharmD, "Predictors of Hyperglycemia among Patients with Schizophrenia" Post-Doctoral Project, UI College of Pharmacy |
| 2002-05 | Jeffrey Bishop PharmD, "Pharmacogenetic Predictors of Bone Mineral Density in Schizophrenia" Post-Doctoral Project, UI College of Pharmacy |
| 2003-04 | Cynthia Cutshall PhD(c), "Hierarchical Modeling of Anxiety in Late-life" Dissertation Committee, UI College of Liberal Arts and Sciences, Department of Psychology |
| 2004 | Kathleen Buckwalter PhD, "Anxiety Interventions in Assisted Living" Marianne Smith PhD(c), "Anxiety and Cognitive Decline: Interactions" University of Iowa College of Nursing Post-doctoral Projects |
| 2005 | Thad Abrams MD, "Hearing Impairment and Depression" PGY-5 Project |
| 2006 | Jess Fiedorowicz MD, "Allelic Heterozygosity of the 5HTTLPR Polymorphism is Associated with Higher Cognitive Function" Post-doctoral project, UI Medicine |
| 2007-10 | Torricia H. Yamada BA, "Social Support, Optimism and Cognition in Cancer" Dissertation Committee, University of Iowa College of Liberal Arts and Sciences, School of Counseling Psychology |
| 2008-11 | Haris Hamsakutty MD, "Brain Imaging Measures in Cancer Survivors", Masters' Thesis, University of Iowa College of Medicine Department of Free Radical Biology |

- 2010- Ying-Ling Jao, graduate student in College of Nursing, abstract submission to the 2011 Gerontological Society of America annual meeting, titled "Apathy in Nursing Home Residents with Dementia"
- 2014- Kuan-Hua Chen Ph.D. Candidate in Psychology, University of Iowa College of Liberal Arts and Sciences Doctoral Thesis "Effects of Emotion on Performance in Older Drivers with Age-Related Neurodegenerative Disease"

III. SCHOLARSHIP

A. Publications and Creative Works

Peer-Reviewed Papers

1. Andreasen NC, Nopoulos P, **Schultz S**, Miller D, Gupta S, Swayze V, Flaum M. Positive and negative symptoms of schizophrenia: past, present, and future. *Acta Psychiatr Scand Suppl.* 1994; 384:51-9. PMID: 7879644.
2. Travella JI, Forrester AW, **Schultz SK**, Robinson RG. Depression following myocardial infarction: a one year longitudinal study. *Int J Psychiatry Med.* 1994; 24(4):357-69. PMID: 7737790.
3. Castillo CS, **Schultz SK**, Robinson RG. Clinical correlates of early-onset and late-onset poststroke generalized anxiety. *Am J Psychiatry.* 1995; 152(8):1174-9. PMID: 7625466.
4. Gupta S, Andreasen NC, Arndt S, Flaum M, **Schultz SK**, Hubbard WC, Smith M. Neurological soft signs in neuroleptic-naïve and neuroleptic-treated schizophrenic patients and in normal comparison subjects. *Am J Psychiatry.* 1995; 152(2):191-6. PMID: 7840351.
5. **Schultz SK**, Miller DD, Arndt S, Ziebell S, Gupta S, Andreasen NC. Withdrawal-emergent dyskinesia in patients with schizophrenia during antipsychotic discontinuation. *Biol Psychiatry.* 1995; 38(11):713-9. PMID: 8580223.
6. Flaum M, **Schultz SK**. When does amphetamine-induced psychosis become schizophrenia? *Am J Psychiatry.* 1996; 153(6):812-5. PMID: 8633695.
7. Miller DD, **Schultz SK**, Alexander B: Rational pharmacological approaches in the management of treatment-resistant schizophrenia. *Psychiatric Clinics of North America* 3:89-118, 1996.
8. Flaum M, **Schultz SK**. The core symptoms of schizophrenia. *Annals of Medicine*, 1996; 28(6):525-31. PMID: 9017111
9. Andreasen NC, Flaum M, **Schultz S**, Duzyurek S, Miller D. Diagnosis, methodology and subtypes of schizophrenia. *Neuropsychobiology.* 1997; 35(2):61-3. PMID: 9097293.
10. **Schultz SK**, Anderson EA, van de Borne P. Heart rate variability before and after treatment with electroconvulsive therapy. *J Affect Disord.* 1997, 44(1):13-20. PMID: 9186798
11. **Schultz SK**, Castillo CS, Kosier JT, Robinson RG. Generalized anxiety and depression. Assessment over 2 years after stroke. *Am J Geriatr Psychiatry.* 1997; 5(3):229-37. PMID: 9209565.

12. **Schultz SK**, Miller DD, Oliver SE, Arndt S, Flaum M, Andreasen NC. The life course of schizophrenia: age and symptom dimensions. *Schizophr Res.* 1997; 23(1):15-23. PMID: 9050124.
13. Christensen AJ, Dornink R, Ehlers SL, **Schultz SK**. Social environment and longevity in schizophrenia. *Psychosom Med.* 1999; 61(2):141-5. PMID: 10204964.
14. Crespo-Facorro B, Piven ML, **Schultz SK**. Psychosis in late life: how does it fit into current diagnostic criteria? *Am J Psychiatry.* 1999; 156(4):624-9. PMID: 10200744.
15. Magnotta VA, Andreasen NC, **Schultz SK**, Harris G, Cizadlo T, Heckel D, Nopoulos P, Flaum M. Quantitative in vivo measurement of gyrification in the human brain: changes associated with aging. *Cereb Cortex.* 1999; 9(2):151-60. PMID: 10220227.
16. **Schultz SK**, Arndt S, Ho BC, Oliver SE, Andreasen NC. Impaired glucose tolerance and abnormal movements in patients with schizophrenia. *Am J Psychiatry.* 1999; 156(4):640-2. PMID: 10200749.
17. **Schultz SK**, O'Leary DS, Boles Ponto LL, Watkins GL, Hichwa RD, Andreasen NC. Age-related changes in regional cerebral blood flow among young to mid-life adults. *Neuroreport.* 1999; 10(12):2493-6. PMID: 10574358.
18. Woodman C, **Schultz SK**: Faculty assessment of residents and the psychiatry resident-in-training examinations. *Acad Psychiatry* 23:137-141, 1999.
19. Ellingrod VL, **Schultz SK**, Arndt S. Association between cytochrome P4502D6 (CYP2D6) genotype, antipsychotic exposure, and abnormal involuntary movement scale (AIMS) score. *Psychiatr Genet.* 2000; 10(1):9-11. PMID: 10909122.
20. O'Leary DS, Block RI, Flaum M, **Schultz SK**, Boles Ponto LL, Watkins GL, Hurtig RR, Andreasen NC, Hichwa RD. Acute marijuana effects on rCBF and cognition: a PET study. *Neuroreport.* 2000; 11(17):3835-41. PMID: 11117500.
21. Robinson RG, **Schultz SK**, Castillo C, Kopel T, Kosier JT, Newman RM, Curdue K, Petraccia G, Starkstein SE. Nortriptyline versus fluoxetine in the treatment of depression and in short-term recovery after stroke: a placebo-controlled, double-blind study. *Am J Psychiatry.* 2000; 157(3):351-9. PMID: 10698809.
22. **Schultz SK**, Ho BC, Andreasen NC. Clinical features characterizing young-onset and intermediate-onset schizophrenia. *J Neuropsychiatry Clin Neurosci.* 2000; 12(4):502-5. PMID: 11083169.
23. **Schultz SK**. Dementia in the twenty-first century. *Am J Psychiatry.* 2000; 157(5):666-8. PMID: 10784455.
24. Turvey CL, **Schultz S**, Arndt S, Wallace RB, Herzog R. Memory complaint in a community sample aged 70 and older. *J Am Geriatr Soc.* 2000; 48(11):1435-41. PMID: 11083320.
25. Whelan FJ, Walker MS, **Schultz SK**. Donepezil in the treatment of cognitive dysfunction associated with traumatic brain injury. *Ann Clin Psychiatry.* 2000; 12(3):131-5. PMID: 10984001.
26. White TJ, **Schultz SK**: Naltrexone for a 3-year-old boy with self-injurious behavior. *Am J Psychiatry* 157(10):1574-1582, 2000. PMID: 11007709.

27. Cem Atbasoglu E, **Schultz SK**, Andreasen NC. The relationship of akathisia with suicidality and depersonalization among patients with schizophrenia. *J Neuropsychiatry Clin Neurosci*. 2001; 13(3):336-41. PMID: 11514639.
28. Moser DJ, Ferneyhough KC, Bauer RM, Arndt S, **Schultz SK**, Haynes WG, Staples ED, Alexander J, Davies LK, O'Brien DJ. Unilateral vs. bilateral ultrasound in the monitoring of cerebral microemboli. *Ultrasound Med Biol*. 2001; 27(6):757-60. PMID: 11516535.
29. **Schultz SK**, Ellingrod V, Fleming FW, Andreasen NC. The association between risk factors for tardive dyskinesia and phenylalanine-induced abnormal movements in schizophrenia. *Hum Psychopharmacol*. 2001; 16(3):273-7. PMID: 12404580.
30. **Schultz SK**: Conclusions: late-life schizophrenia. *Harv Rev Psychiatry* 9(2):84-87, 2001.
31. Turvey CL, **Schultz SK**, Arndt S, Ellingrod V, Wallace R, Herzog R. Caregiver report of hallucinations and paranoid delusions in elders aged 70 or older. *Int Psychogeriatr*. 2001; 13(2):241-9. PMID: 11495398.
32. Arndt S, **Schultz SK**, Turvey C, Petersen A. Screening for alcoholism in the primary care setting: are we talking to the right people? *J Fam Pract*. 2002; 51(1):41-6. PMID: 11927063.
33. Ellingrod VL, Miller D, **Schultz SK**, Wehring H, Arndt S. CYP2D6 polymorphisms and atypical antipsychotic weight gain. *Psychiatr Genet*. 2002; 12(1):55-8. PMID: 11901361.
34. Ellingrod VL, **Schultz SK**, Arndt S. Abnormal movements and tardive dyskinesia in smokers and nonsmokers with schizophrenia genotyped for cytochrome P450 2D6. *Pharmacotherapy*. 2002; 22(11):1416-9. PMID: 12432967.
35. Ellingrod VL, **Schultz SK**, Ekstam-Smith K, Kutscher E, Turvey C, Arndt S. Comparison of risperidone with olanzapine in elderly patients with dementia and psychosis. *Pharmacotherapy*. 2002; 22(1):1-5. PMID: 11794418.
36. Kraemer HC, **Schultz SK**, Arndt S. Biomarkers in psychiatry: methodological issues. *Am J Geriatr Psychiatry*. 2002; 10(6):653-9. PMID: 12427574.
37. Moser DJ, **Schultz SK**, Arndt S, Benjamin ML, Fleming FW, Brems CS, Paulsen JS, Appelbaum PS, Andreasen NC. Capacity to provide informed consent for participation in schizophrenia and HIV research. *Am J Psychiatry*. 2002; 159(7):1201-7. PMID: 12091200.
38. O'Leary DS, Block RI, Koeppe JA, Flaum M, **Schultz SK**, Andreasen NC, Ponto LB, Watkins GL, Hurtig RR, Hichwa RD. Effects of smoking marijuana on brain perfusion and cognition. *Neuropsychopharmacology*. 2002; 26(6):802-16. PMID: 12007751.
39. **Schultz SK**, Arndt S, Lutz GM, Petersen A, Turvey CL. Alcohol use among older persons in a rural state. *Am J Geriatr Psychiatry*. 2002; 10(6):750-3. PMID: 12427584.
40. **Schultz SK**, O'Leary DS, Boles Ponto LL, Arndt S, Magnotta V, Watkins GL, Hichwa RD, Andreasen NC. Age and regional cerebral blood flow in schizophrenia: age effects in anterior cingulate, frontal, and parietal cortex. *J Neuropsychiatry Clin Neurosci*. 2002; 14(1):19-24. PMID: 11884650.
41. **Schultz SK**, Ellingrod VL, Moser DJ, Jutschner E, Turvey C, Arndt S. The influence of cognitive impairment and psychiatric symptoms on daily functioning in nursing facilities: a longitudinal study. *Ann Clin Psychiatry*, 2002;14(4):209-13. PMID: 12630656.

42. Anderson RL, **Schultz SK**, Buckwalter KC, Schneider JE: Clinical characteristics of older adults admitted to an inpatient psychiatric unit: implications for resource allocation. *Journal of Mental Health and Aging*, 2003; 9(4), pp. 211-221.
43. Ponto LL, **Schultz SK**. Ginkgo biloba extract: review of CNS effects. *Ann Clin Psychiatry*. 2003; 15(2):109-19. PMID: 12938868.
44. **Schultz SK**, Arndt S, Liesveld J. Locations of facilities with special programs for older substance abuse clients in the US. *Int J Geriatr Psychiatry*. 2003; 18(9):839-43. PMID: 12949852.
45. **Schultz SK**, Ellingrod VL, Turvey C, Moser DJ, Arndt S: The influence of cognitive impairment and behavioral dysregulation on daily functioning in the nursing home setting. *Am J Psychiatry* 160(3):582-584, 2003. PMID: 12611846.
46. Burke WJ, **Schultz SK**, Smith M; Management of Anxiety in Late life, *Annals of Long-term Care*, 12(8) 25-33, 2004.
47. Moser DJ, Hoth KF, Robinson RG, Paulsen JS, Sinkey CA, Benjamin ML, **Schultz SK**, Haynes WG. Blood vessel function and cognition in elderly patients with atherosclerosis *Stroke*. 2004 Nov; 35 (11):e369-72. PMID: 15472091.
48. Ponto LLB, **Schultz SK**: Technical issues in the determination of cerebrovascular reserve in elderly patients using [15O] water PET imaging. *Neuroimage* 21(1):201-210, 2004. PMID: 14741657.
49. **Schultz SK**, Hoth A, Buckwalter K: Anxiety and impaired social function in the elderly. *Ann Clin Psychiatry* 16:1-4, 2004. PMID: 15147113.
50. Alexopoulos G, **Schultz SK**, Lebowitz B: Late-Life Depression: A Model for Medical Classification; APA White Paper, May 2005. PMID: 16026764.
51. Moser DJ, Reese RL, **Schultz SK**, Benjamin ML, Arndt S, Fleming FW, Andreasen NC. Informed consent in medication-free schizophrenia research. *Am J Psychiatry*. 2005 Jun; 162(6):1209-11. PMID: 15930073.
52. Sakauye K, Liptzin B, Blank K, Cohen C, **Schultz SK**; Medicare Managed Mental Health Care: A Looming Crisis, *Psychiatric Services*, Fall 2005. PMID: 16020809.
53. **Schultz SK**, Ellingrod V; Late-Life Schizophrenia: Optimizing Treatment, *Current Psychosis and Therapeutics Reports* Vol 3, Issue 1. February 2005.
54. **Schultz SK**, Moser DJ, Bishop J, Ellingrod V, Phobic Anxiety in Late-Life and 5HTTLPR Polymorphism, *Psychiatr Genet*. 2005 Dec; 15(4):305-6. PMID: 16314764.
55. Smith M, **Schultz SK**. Managing perplexing patients: the case of Helen. *Issues Ment Health Nurs*. 2005 Jan;26(1):47-63. PMID: 15842105.
56. **Schultz SK**., *The Neuropsychiatry of Aging*, *Am J Psychiatry*. 2005 Nov; 162(11):1993-5.
57. Alexopoulos GS, **Schultz SK**, Lebowitz BD. Late-life depression: a model for medical classification. *Biol Psychiatry*. 2005 Aug 15; 58(4):283-9. PMID: 16026764
58. Abrams T, **Schultz SK** Hoth A, Mitchell B, Kaboli P, The Relationship between Hearing Impairment and Depression in Older Veterans, *J Am Geriatr Soc*. 2006 Sep;54(9):1475-7.

PMID: 16970669.

59. Bishop, JR, J Moline, VL Ellingrod, **Schultz SK** and AH Clayton (2006). Serotonin 2A - 1438 G/A and G-protein Beta3 subunit C825T polymorphisms in patients with depression and SSRI-associated sexual side-effects. *Neuropsychopharmacology*, 31(10): 2281-8. PMID: 16710319.
60. Boles Ponto LL, Magnotta VA, Moser DJ, Duff KM, **Schultz SK**. Global cerebral blood flow in relation to cognitive performance and reserve in subjects with mild memory deficits. *Mol Imaging Biol*. 2006; 8(6):363-72. PMID: 17048070.
61. Chen X, Magnotta V, Duff K, Boles Ponto LL, **Schultz SK**, Donepezil Effects on Cerebral Blood Flow in Older Adults with Mild Cognitive Deficits, *Journal of Neuropsychiatry and Clinical Neurosciences* 2006 Spring;18(2):178-85. PMID: 16720794.
62. Forman-Hoffman VL, Ruffin T, **Schultz SK**. Basal metabolic rate in anorexia nervosa patients: using appropriate predictive equations during the refeeding process. *Ann Clin Psychiatry*. 2006 Apr-Jun; 18(2):123-7. PMID: 16754418.
63. Freedman R, Lewis DA, Michels R, Pine DS, **Schultz SK**, Tamminga C, Patterson SL, McIntyre JS, Goldman HH, Yudofsky SC, Hales RE, Rapaport MH, Hales D, Krajewski J, Kupfer DJ, Badaracco MA, Scully JH Jr. Conflict of interest, round 2. *Am J Psychiatry*. 2006 Sep; 163(9):1481-3.
64. Lewis DA, Michels R, Pine DS, **Schultz SK**, Tamminga CA, Freedman R. Conflict of interest. *Am J Psychiatry*. 2006 Apr; 163(4):571-3. PMID: 16585427.
65. Moser DJ, Reese RL, Hey CT, **Schultz SK**, Arndt S, Beglinger LJ, KM Duff KM, Andreasen NC (2006). Using a brief intervention to improve decisional capacity in schizophrenia research. *Schizophr Bull*, 32(1): 116-20. PMID: 16177273. PMCID: 2632198.
66. Turvey CL, **Schultz SK**, Klein DM. Alcohol use and health outcomes in the oldest old. *Subst Abuse Treat Prev Policy*. 2006 Mar 29; 1(1):8, PMID: 16722525. PMCID: 1484476.
67. Duff, K, LJ Beglinger, **SK Schultz**, DJ Moser, RJ McCaffrey, RF Haase, HJ Westervelt, DR Langbehn and JS Paulsen (2007). Practice effects in the prediction of long-term cognitive outcome in three patient samples: a novel prognostic index. *Arch Clin Neuropsychol*, 22(1): 15-24. PMID: 17142007. PMCID: 1847360.
68. Faison, WE, **SK Schultz**, J Aerssens, J Alvidrez, R Anand, LA Farrer, L Jarvik, J Manly, T McRae, GM Murphy, Jr., JT Olin, D Regier, M Sano and JE Mintzer (2007). Potential ethnic modifiers in the assessment and treatment of Alzheimer's disease: challenges for the future. *Int Psychogeriatr*, 19(3): 539-58. PMID: 17451614.
69. Fiedorowicz JG, Moser DJ, Hynes SM, Beglinger LJ, **Schultz SK**, Ellingrod VL. LA allelic heterozygosity of the 5HTTLPR polymorphism is associated with higher cognitive function and lower interpersonal sensitivity. *Psychiatr Genet*. 2007 Feb; 17(1):3-4, PMCID: 2082010.
70. O'Leary, DS, Block, RI, Koeppel, J, **Schultz SK**, Magnotta, VA, Ponto, LLB, Watkins, GL, Hichwa, RD. Effects of smoking marijuana on focal attention and brain blood flow. *Hum Psychopharmacol*. 2007; 22(3):135-48. PMID: 17397099.
71. Sattar SP, **Schultz SK**, Arndt S, Soundy T, Petty F. Long-term adjunctive quetiapine may

reduce substance use--a retrospective study. *S D Med.* 2007 Nov; 60(11):437, 439-41. PMID: 18196687.

72. **Schultz SK.** Depression in the older adult: the challenge of medical comorbidity. *Am J Psychiatry.* 2007 164(6):847-8. PMID: 17541038.
73. Duff K, Beglinger LJ, Van Der Heiden S, Moser DJ, Arndt S, **Schultz SK**, Paulsen JS. Short-term practice effects in amnesic mild cognitive impairment: implications for diagnosis and treatment. *Int Psychogeriatr.* 2008; 20(5):986-99. PMID: 3789513.
74. Salzman C, Jeste DV, Meyer RE, Cohen-Mansfield J, Cummings J, Grossberg GT, Jarvik L, Kraemer HC, Lebowitz BD, Maslow K, Pollock BG, Raskind M, **Schultz SK**, Wang P, Zito JM, Zubenko GS. Elderly patients with dementia-related symptoms of severe agitation and aggression: consensus statement on treatment options, clinical trials methodology, and policy. *J Clin Psychiatry.* 2008; 69(6):889-98. PMID: 2674239.
75. **Schultz SK**, Magnotta V, Duff K, Boles Ponto LL, Moser DJ. Evaluation of older persons with mild cognitive deficits: potential utility of magnetic resonance imaging. *Ann Clin Psychiatry.* 2008 20(4): 204-8. DOI: 10.1080/10401230802437530. PMID: 3392192.
76. **Schultz SK.** Atypical antipsychotic medications in Alzheimer's disease: effectiveness versus expectations. *Am J Psychiatry.* 2008; 165(7):787-9. PMID: 18593779.
77. **Schultz SK.** Moving forward in clinical trials for late-life disorders. *Am J Geriatr Psychiatry.* 2008, 16:1-4.
78. Smith M, Buckwalter KC, Kang H, Ellingrod V, **Schultz SK.** Dementia care in assisted living: needs and challenges. *Issues Ment Health Nurs.* 2008; 29(8):817-38. DOI: 10.1080/01612840802182839. PMID: 3093103.
79. Smith M, Buckwalter KC, Kang H, Ellingrod V, **Schultz SK.** Dementia-specific assisted living: clinical factors and psychotropic medication use. *J Am Psychiatr Nurses Assoc.* 2008; 14(1):39-49. DOI: 10.1177/1078390307310692. PMID: 183122161.
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85. Duff K, Beglinger LJ, Moser DJ, Paulsen JS, **Schultz SK**, Arndt S. Predicting cognitive change in older adults: the relative contribution of practice effects. *Arch Clin Neuropsychol*. 2010; 25(2):81-8. PMCID: 2819829.
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87. Kaldjian LC, Shinkunas LA, Bern-Klug M, **Schultz SK**. Dementia, goals of care, and personhood: a study of surrogate decision makers' beliefs and values. *Am J Hosp Palliat Care*. 2010; 27(6):387-97. PMID: 20167835.
88. Kang H, Smith M, Buckwalter KC, Ellingrod V, **Schultz SK**. Anxiety, depression, and cognitive impairment in dementia-specific and traditional assisted living. *J Gerontol Nurs*. 2010; 36(1):18-30; quiz 2-3. DOI: 10.3928/00989134-20091204-01. PMCID: 3005246.
89. Koh S, Blank K, Cohen CI, Cohen G, Faison W, Kennedy G, Kyomen H, Liptzin B, Meador K, Rohrbaugh R, Rusch B, Sakauye K, **Schultz S**, Streim J. Public's view of mental health services for the elderly: responses to Dear Abby. *Psychiatr Serv*. 2010; 61(11):1146-9. PMID: 21041356.
90. Yamada TH, Denburg NL, Beglinger LJ, **Schultz SK**. Neuropsychological outcomes of older breast cancer survivors: cognitive features ten or more years after chemotherapy. *J Neuropsychiatry Clin Neurosci*. 2010; 22(1):48-54. PMCID: 3641161.
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93. Duff K, Lyketsos CG, Beglinger LJ, Chelune G, Moser DJ, Arndt S, **Schultz SK**, Paulsen JS, Petersen RC, McCaffrey RJ. Practice effects predict cognitive outcome in amnesic mild cognitive impairment. *Am J Geriatr Psychiatry*. 2011; 19(11):932-9. PMCID: 3202689.
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Electronic Publications

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31. Filips JK, P Bohart, **S Schultz**; A Geriatric Telepsychiatry Clinic: Quality Specialty Care From Afar The American Journal of Geriatric Psychiatry 24 (3), S149-S150 3/2016
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Areas of Research Interest and Current Projects

Current Projects

- Psychosis in the context of dementia, and antipsychotic treatment in dementia
- Alzheimer's disease; Risk factors for late life cognitive decline
- Neuroprotective treatments for dementia, genetic predictors of treatment response
- Behavioral management in dementia, advanced dementia care

IV. Funding

Grants Received

Federal

(Note that all externally funded projects below are ongoing per their project periods, but were not transferrable from the University of Iowa; continuing with new Iowa PIs as of 5/2016).

1UIQHP28731 (PI: Schultz) 7/1/2015 – 6/30/2018 2.0 cal mos
USDHHS: Health Resources and Services: Geriatric Workforce Enhancement Program
Interprofessional Strategic Healthcare Alliance for Rural Education
A statewide infrastructure for geriatric training that will address priorities in geriatric education. The consortium will mobilize the University of Iowa's rich resources in geriatric education and promote the development of sustainable, high quality geriatric training programs.
Role: PI Schultz until 5/2016

4UH3TR000967-02 9/01/2015 – 8/31/2018
ADC-049: Phase IIa Multi-Center Study of 18F-FDG PET, Safety, and Tolerability of
AZD0530 in Mild Alzheimer's Disease
AZD0530 is an inhibitor of Src and Abl family kinases¹. It has been developed as treatment for malignancies because these kinases play a role in tumor invasion and proliferation. However, the Src family kinases (SFKs) are highly expressed in brain and have major effects on synaptic plasticity; Role Schultz Site-PI until 5/2016

1R03AG047306-01 (PI: Ponto) 9/01/2014 – 12/31/2016 0.6 cal mos
Utility of Early Phase PIB as a Surrogate for Cerebral Blood Flow Measures
Project will explore early phase [¹¹C]PIB, an amyloid imaging agent, as a surrogate for

cerebral blood flow measures as determined by the gold standard, [15O]water.

Role: Co-PI with Dr. Ponto, remains active.

5U01 AG024904 (PI: Weiner, M) 9/30/2010 – 12/31/2016 1.2 cal mos
National Institute of Health/NIA Alzheimer's Disease Neuroimaging Initiative-2
The overall goal of this project is to define the rate of progress of mild cognitive impairment and Alzheimer's disease, to develop improved methods for clinical trials in this area, and to provide a large database which will improve design of treatment trials.
Role: Site-PI Schultz until 5/2016

5U19AG010483-23 (PI: Sperling) 1/15/2014 - 1/15/2018 0.6 cal mos
National Institute on Aging and Eli Lilly and Company
Anti-Amyloid Treatment in Asymptomatic Alzheimer's Disease (The A4 Study):
Intervention study for pre-symptomatic AD,
Role: Site PI Schultz until 5/2016

5U19AG010483-23 (PI: Aisen) 5/15/2014 - 1/15/2018 0.6 cal mos
A Phase 2 multi-center, randomized, double blind, placebo-controlled, study to evaluate the efficacy of T-817MA in patients with mild to moderate Alzheimer's Disease (ADC-047-TCAD). Coordinated with the Alzheimer's Disease Cooperative Study (ADCS) and Toyoma Chemical Co.
Role: Site PI Schultz until 5/2016

NIH, 1R01MH086482 (PI: Turvey) 2/1/2010 – 12/31/16 1.8 cal mos
Combined Illness Management and Psychotherapy in Treating Depressed Elders
Study involves illness co-management to determine outcomes of disability and depression among patients with chronic obstructive pulmonary disease.
Role: Co-investigator

Federal in Preparation

Psychopharmacologic Prescribing in Relation to Neuropsychiatric Symptoms and Cognition at the End of Life in Alzheimer' Disease (R03) in response to NIA PAS-17-026 "Improving Quality of Care for Persons with Alzheimer's Disease and Related Dementias at the End of Life"
Submission date 2/2017.

Federal Completed

UB4 HP19054-01 (PI: Schultz) 7/1/2010 – 6/30/2016 1.2 cal mos
USDHHS: Health Resources and Services Admin (continues in no cost extension)
The Iowa Geriatric Education Center will develop a statewide infrastructure for geriatric training that will address priorities in geriatric education. The consortium will mobilize the University of Iowa's rich resources in geriatric education and promote the development of sustainable, high quality geriatric training programs.
Iowa Geriatric Education Center
Role: PI

ARRA: IA-ADAPT: Improving Antipsychotic Appropriateness in Dementia Patients
AHRQ, 1R18 HS019355 \$970,210 total direct costs 9/30/2010–9/29/2013
PI: Carnahan 10% effort; 1.2 calendar months salary
We propose to adapt the AHRQ Comparative Effectiveness Research Review and Summary Guide on Off-Label use of Atypical Antipsychotics to improve the care of people with dementia and behavioral disturbances in nursing homes and the community.
Role: Co-investigator

Randomized Placebo Controlled Study of the Safety and Effectiveness of Immune globulin intravenous 10% IGIV for mild to moderate Alzheimer's Disease.

The Alzheimer's Disease Cooperative Study (ADCS)/National Institute on Aging; Baxter Healthcare

\$243,544 total direct costs (invoiced on a per subject basis)

11/2008-6/2012

PI: Relkin, Norman, NCT00818662

This is a national study offering the newest in immunotherapy for Alzheimer's disease by intravenous passive immunization with immunoglobulin G.

Role: Site Investigator

Elderly Cancer Survivors: Cognitive Outcomes and Markers of Neurodegeneration

National Institute of Health, National Cancer Institute, 1R01CA122934

\$175,000

4/1/2007-3/31/2012

Determine the contribution of chemotherapy to cognitive impairment among women in late life who have survived breast cancer more than 10 years, to test whether cognitive impairment among women exposed to chemotherapy is associated with specific differences in brain structure.

PI: Schultz SK

Antipsychotic Discontinuation in Alzheimer's Disease

Subcontract with Research Foundation for Mental Hygiene, Inc.; New York State

Psychiatric Institute. NIH/NIA R01AG021488

\$135,000 total costs (invoiced on a per subject basis)

12/1/2002-10/01/2010 no-cost extension

PI: Devanand, Dev, NCT00417482

Site Investigator: Schultz SK

This is a multi-site study to assess patients with dementia in AD and conduct a treatment protocol with a controlled discontinuation phase.

University of Iowa Older Adults CERT

NIH/AHRQ - 1U18HS016094-01

The University of Iowa Older Adults CERTs (UIOAC) offers the CERTs program research expertise for making policy-relevant estimates of treatment effects and cost-effectiveness among the elderly.

4/01/2006-03/01/2011

PI: Chrischilles

Role: Co-investigator

Relapse Prevention: Long-Acting Atypical Antipsychotics

National Institute of Mental Health, NIMH 5U01MH070010-02

\$150,000 annual direct costs

7/1/2005-12/31/2010

PI: Miller

To examine oral 2nd generation antipsychotic medications versus intramuscular use of risperidone.

Role: Co-investigator

Clinical Atypical Antipsychotic Trial of Intervention Effectiveness: CATIE- Alzheimer's disease

Site Principal Investigator in Alzheimer's Trial

Sub-contract with the University of North Carolina - Chapel Hill

Prime source: National Institute of Mental Health

10/1/00-9/30/03

PI: Lieberman, Jeffrey, UNC
Role: Site PI

Cognitive Enhancers Explored with PET Imaging
National Institute of Mental Health – NIMH R21 MH061801
2001-2005
PI: Schultz

Valproate to Attenuate the Progression of Alzheimer's Disease
5U01AG010483-15 Alzheimer's Disease Collaborative Study (ADCS)
NIH/NIA
7/2005 – 12/2008
PI: Leon Thal, Pierre Tariot
Role: Site Investigator

Predicting Decline in Mild Cognitive Impairment
NIH/NIA R03 AG025850-01
7/15/05–5/31/07
PI: Duff Role: Co-Investigator

Neuroleptics and Aging: Preventing Tardive Dyskinesia
National Institute of Mental Health (NIMH) K08 MH01633-01
Mentored Clinical Scientist Career Development Award
7/1998-7/2003
PI: Schultz

Other Current

Fraternal Order of Eagles (Iowa State Aerie) 9/1/2014-8/31/16
PI: Schultz SK: Maynard. "Blackie" Floyd Alzheimer's Fund: Provides recruitment support for:
New Research to Prevent Alzheimer's Disease: Recruitment Effort for Anti-Amyloid A4 Trial.

Other Completed

A Randomized, DB, Placebo-Controlled, 2 Dose Arm Parallel Study of Safety & Effectiveness of
Immune Globulin Intra. 10% (IGIV) For Treatment of Mild-Moderate AD
ADCS & Baxter Healthcare, M-02 ADCS
\$243,544
7/15/2005 – 5/6/2014 PI: Schultz

Potential Protection from Alzheimer's Related Brain Changes among Persons Treated for
Schizophrenia
Nellie Ball Trust Fund
\$20,000 total costs
3/1/2010-2/28/2013 PI: Schultz SK
Conduct amyloid PET imaging in persons with long-term antipsychotic exposure

Elderly Cancer Survivors: Cognitive Outcomes and Markers for Neurodegeneration
UI Cancer and Aging Program (CAP) Pilot Funding
9/2006-2007 PI: Schultz

Social Adaptive and Cognitive Function Among Older Patients with Schizophrenia
Nellie Ball Trust Fund, Iowa State Bank and Trust
3/2001-2/2002 PI: Schultz

The Relationship between Tardive Dyskinesia, Diabetes Mellitus, and Phenylalanine metabolism in patients with Schizophrenia
National Alliance for Research on Schizophrenia and Depression (NARSAD) foundation
7/1996–12/1998 PI: Schultz

A Phase II Double Blind Randomized Dose Ranging Placebo Controlled Multi-Center Safety and Efficacy Evaluation of 3 Doses of NS2330 in Patients with Mild to Moderate Dementia of the Alzheimer Type
Boehringer Ingelheim Pharmaceuticals, Inc.
8/1/03–12/1/04
Role: Site Investigator

SERVICE

Offices Held in Professional Organizations

| | |
|--------------|--|
| 2004-08 | Am. Association for Geriatric Psychiatry (AAGP), Research Committee, Chair |
| 2010 | AAGP, Secretary-Treasurer and Program Chair for 2010 Annual Meeting |
| 2013 | AAGP, President-Elect |
| 2014-5 | AAGP President |
| 2014-6 | Member, Board of Directors of the East Central Iowa Chapter of the Alzheimer's Association |
| 2015-6 | Geriatric Mental Health Foundation, Chair |
| 2015-present | American College of Neuropsychopharmacology, Constitution Committee |

Editorships

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|--------------|--|
| 2005-present | Deputy Editor, American Journal of Psychiatry |
| 2011-13 | Text Editor, Diagnostic and Statistical Manual, DSM-5 |
| 2014-present | Editorial Board, American Psychiatric Association Publishing |

Review Panels

| | |
|---------|--|
| 1999-00 | Reviewer, Dept. of Veterans Affairs Study Section, Iowa City VA |
| 2004 | Reviewer, NIMH Special Emphasis Panel ZMH-DEA-F0, March |
| 2004-9 | Member, NIH Study Section: Neuropathology of Addiction and Sleep Disorders (NPAS Study Section, formerly BDCN-6) |
| 2007-09 | Member, FDA Psychopharmacologic Drug Advisory Committee, February |

- 2010 Acting Chair FDA Psychopharmacologic Drug Advisory Committee, September
- 2016 Adult Psychopathology and Disorders of Aging Study Section (APDA) Biobehavioral and Behavioral Processes IRG (BBBP) Center for Scientific Review, NIH, Feb 2016

University Committees

- 1998-01 UI Institutional Review Board (Human Subjects Committee A)
- 1998-13 Iowa Geriatric Education Consortium, Project Participant
- 2001-11 UI Center on Aging Executive Board
- 2003-06 IRB Member, University of Iowa Human Subjects Committee, second tour
- 2005-06 Reviewer, Iowa City VAMC Human Subjects Committee
- 2009-15 Faculty Senate Member, UI Faculty Senate Judicial Committee
- 2011-15 UI Faculty Council Member
- 2011-16 UI Vice-Chair addressing faculty development
- 2016 – present USF Institutional Review Board (IRB) Board A, Committee Member – VA Representative.
- 2016 – present JAHVA Research and Development Committee, Committee Member:
- 2016 – present James A Haley VA Dementia Committee member

College of Medicine Committees

- 1996-00 UI Medical School Admissions Committee, Medical School Applicant Interviewer
- 2000-15 University of Iowa College of Medicine Research Committee, member
- 2007-11 UI Holden Comprehensive Cancer Center, Protocol Review and Monitoring Committee

National Committees

- 2000-08 American Board of Psychiatry and Neurology (ABPN) Geriatric Certification Committee
- 2004-05 American Psychiatric Association (APA) Task Force: Research Agenda for DSM-V, Geriatric Psychiatry
- 2004-07 American Association for Geriatric Psychiatry, Board of Directors

| | |
|--------------|--|
| 2005-09 | Group for the Advancement of Psychiatry, Aging Council |
| 2006 | AAGP Director of 2006 "Research Summit on the Future of Geriatric Psychiatry Research" Bethesda MD, November 3 |
| 2010-13 | APA-DSM-5 Work Group Chair on Text Revisions |
| 2014-present | American College of Neuropsychopharmacology, Constitution Committee |
| 2013-present | APA Council on Geriatric Psychiatry |
| 2014-present | American Psychiatric Publishing Inc., (APPI) Editorial Board |
| 2014-present | American Psychiatric Association, DSM-5 Steering Committee for next edition of the DSM |

Invited Lectures and Conference Presentations

- "Age and symptom dimensions in schizophrenia" American Association for Geriatric Psychiatry Annual Meeting, February 12, 1996.
- "Schizophrenia and Aging" National Alliance for the Mentally Ill, Iowa Chapter 1996 Mental Health Conference, Cedar Rapids, IA, October.
- "Diabetes Mellitus as a Risk Factor for Tardive Dyskinesia" American Association for Geriatric Psychiatry Annual Meeting, March 1998.
- "Treatment of Agitation in Dementia" Iowa Community Mental Health Center 1998 Annual Meeting, Five Seasons Center, Cedar Rapids IA, October.
- "Mechanisms in Dementia: Implications for Treatment" Iowa Psychiatry Society Annual Meeting, City Plaza Hotel, Iowa City, November 1999.
- "Assessment of Psychiatric Symptoms among Long-term Care Patients" Research Seminar, University of Iowa Dept. of Psychiatry, Iowa City, February, 2000.
- "Age and Cerebral Blood Flow in Patients with Schizophrenia" American Assoc. for Geriatric Psychiatry Annual Meeting Symposium, Fontainebleau Hilton, Miami, Florida, 3/ 2000.
- "Interventions for Dementia and Psychiatric Symptoms in Dementia" Gerontology Society of Iowa Annual Meeting, Des Moines IA, April 2000.
- "Psychiatric Symptoms in the Nursing Home" Center on Aging Research Seminar, University of Iowa College of Medicine, May 2000
- "Role of Cognitive Decline and Psychiatric Symptoms on Functional Abilities in the Elderly" Iowa Geriatric Education Center Grand Rounds Series, May 2000.
- "Psychiatric Assessment in Late-Life: The Interface of Psychiatry and Neurology" Hartford Foundation Retreat in Geriatric Psychiatry and Neurology, St. Johns, March 26 2001.
- "Dementia in the New Millennium" First Annual Midwest Aging Conference, Methodist

Medical Center, Des Moines IA, September 27, 2002.

- “Brain Maintenance 101” Nebraska Wesleyan University Pre-medicine Alumni Reunion, Nebraska Wesleyan University, September 26 2002.
- “Fall Clinicians Institute: Geropsychiatry Educational Forum for the General Psychiatry”, Sponsored by the American Association for Geriatric Psychiatry, Conference Chair and speaker, Orlando, FL; Nov. 8-11, 2003.
- “Axis III and Beyond: Sexuality and Social Function in Late-Life” American Association for Geriatric Psychiatry, Symposium at annual meeting, Honolulu, Hawaii; March 2, 2003.
- “Late Life Psychosis” American Geriatrics Society annual meeting symposium, Baltimore, MD, May 18, 2003.
- “Axis III: More Chronic Comorbid Conditions” American Association for Geriatric Psychiatry annual meeting, March 2, 2004.
- “Depression, Dementia, Delirium” American Urologic Association, Geriatric Society annual meeting, San Francisco, May 12, 2004.
- “Late Life Schizophrenia” American Psychiatric Association Annual Meeting, New York. 2004.
- The Interface of Anxiety and Cognitive Decline” American Geriatrics Society (AGS) Annual Meeting, Las Vegas, May 19, 2004.
- “NIMH Outreach Partners Annual Conference: Geriatric Psychiatry” NIMH sponsored event in Omaha, Nebraska, April 1-3, 2004.
- “Research Agenda for DSM-V, Geriatric Psychiatry APA Workgroup” American Psychiatric Association Annual Meeting, Atlanta, Georgia, May 24, 2005
- American Association for Geriatric Psychiatry Annual Meeting, Conference on “Future Perspectives in Geriatric Psychiatry Research” San Juan, Puerto Rico, March 7, 2006.
- American Association for Geriatric Psychiatry Annual Meeting “Career Development for Women” Annual Meeting Presentation, San Juan Puerto Rico, March 10, 2006.
- “Monitoring Issues for Antipsychotic Management of Behavioral Problems in the Long-term Care Patient” Best Practices Consensus Conference, Bethesda, MD, June 28, 2006.
- “Long-term Cancer Survivors: Risk Factors for Neurodegeneration” Mayo Clinic Rochester Grand Rounds in Psychiatry and Psychology, January 30, 2007.
- “Research Career Development for Women” American Association for Geriatric Psychiatry annual meeting, New Orleans, March 11, 2007.
- “Long-term Implications of Chemotherapy for Elderly Breast Cancer Survivors” Kansas University Medical Center Grand Rounds, Kansas City KS, October 18, 2007.
- “Antipsychotic Use in the Dementia Patient” VISN 23 Veterans Administration Annual Geriatric Mental Health Conference, Minneapolis, MN, May 1, 2008.

- "Neuropsychological Outcomes among Women Breast Cancer Survivors" Holden Comprehensive Cancer Center Grand Rounds, UIHC, August 20, 2008.
- "Managing Depressive Symptoms in Late-Life" Iowa Geriatric Education Center Grand Rounds, Iowa City IA, September 17, 2008.
- "Treating Behavioral Complications of Dementia" Dept. of Family Medicine Grand Rounds, UIHC, Iowa City, December 16, 2008.
- "Elderly Women Breast Cancer Survivors: Cognitive Outcomes". University of Tennessee-Memphis Dept. of Psychiatry Grand Rounds, April 15, 2009.
- "Mechanisms and Emerging Treatments for Alzheimer's Disease" University of Iowa Dept. of Psychiatry Grand Rounds, October 12, 2009.
- "Emotional Changes in Late life: Issues for Caregivers" Heritage Center Caregiver's Day. November 12, 2009.
- "Cancer and Aging: Breast Cancer Survivors and Cognitive Outcomes" American Association for Geriatric Psychiatry Annual Meeting, Savannah GA, March 7, 2010.
- "Understanding Neuropsychological Outcomes among Women Breast Cancer Survivors" Minneapolis GRECC Research Seminar, Minneapolis MN, March 17, 2010.
- "Potential Cognitive Effects of Chemotherapy among Long-term Cancer Survivors" University of Pittsburgh Visiting Professor Lecture Series, June 26, 2010, Pittsburgh PA
- "Management of Emotional Problems in Dementia" East Central Iowa Alzheimer's Association Educational Conference, August 2010.
- "New Research on the Diagnosis and Treatment of Alzheimer's Disease" Iowa Psychiatric Society Annual Meeting, Iowa City, October 13, 2012.
- "Breakthroughs in Science, Beneficence in Care" Presidential Symposium, American Association for Geriatric Psychiatry, Orlando, Florida, March 17, 2014.
- Representing the University of Iowa at the National Association of Geriatric Education Centers Meeting at the Gerontological Society of America Conference in Washington, DC on November 5, 2014
- "Advances in Alzheimer's Research" Community talks for the Fraternal Eagles, Tama – October 2014 and Waterloo February 2015.
- "Non-AD Dementias and Delirium" Geriatric Lecture Series, Iowa Geriatric Education Center, Geriatric Lecture Series, Spring 2015.
- "Advances in Geriatric Psychiatry." AAGP Presidential Symposium, American Psychiatric Association annual meeting, Toronto ON, May 17th, 2015
- "New Advances in Alzheimer's Research" Eastern Iowa Alzheimer's Association Annual Conference, Cedar Rapids IA, April 2016
- Grand Rounds Presentation, for JAHVA MH/BS: The NIH Research Domain Criteria and the DSM: Implications for Psychiatry Research. September 1, 2016

- “Neuropharmacology” Pre-conference Instructional Course, American College of Rehabilitation Medicine Annual Meeting, Chicago, IL, October 31, 2016.

Other Contributions to Institutional Programs

Local and Regional CME Talks

- “Psychosis and Aging” Gerontological Issues in Mental Health: Iowa Nursing Continuing Education Conference, Iowa City IA, October 10, 1996
- “Evaluation and Treatment of Psychosis in the Elderly” Iowa Veterans Home, Marshalltown IA, Continuing Education Program for Medical Staff, August 4, 1997
- “Assessment of Cognitive Change in the Elderly” Calvin Center, Iowa Social Services Continuing Education Seminar, Des Moines, IA, November 6, 1997
- “Medication Management of Psychotic Symptoms in Alzheimer’s Disease” Iowa Veterans Home, Marshalltown, IA, Continuing Education Program for Nursing Staff, February 19, 1998
- “Aging and Schizophrenia” Educational Conference, Iowa Alliance for the Mentally Ill, Mercy Hospital, Iowa City, IA, September 16, 1998
- “Mental Health and Aging: Mechanisms in Dementia” Gerontology Society of Iowa Annual Meeting, Hy-Vee Conference Center, Des Moines, IA, April 9, 1999
- “Mental Health in the Nursing Home Setting: Tardive Dyskinesia” Multi-disciplinary Continuing Education Conference, Iowa Veterans Homes, Marshalltown, IA, July 16, 1999
- “Psychiatric Issues in the Adult and Aging Population: Schizophrenia and Mental Retardation” Continuing education program sponsored by the University of Iowa Nursing Education Center, Clarion Hotel, Iowa City, March 2, 2001
- “Depression in Late-Life” Iowa Geriatric Education Center Grand Rounds, University of Iowa, June 20, 2001
- “Psychiatric Syndromes in Dementia: Nurse Aid Instructor Update 2001” Iowa Valley Community College Continuing Education, Marshalltown IA, August 2, 2001
- “Managing Psychiatric Complications of Dementia” Des Moines Methodist Dementia Conference, November 17, 2001
- “Aging or Dementia?” Local Community Education Conference sponsored by UIHC Educational Outreach Services, Clarion Hotel, Iowa City, IA, November 29, 2001
- “A Comprehensive Look at Dementia” Regional Health Education Center, Rehabilitation Conference, Mason City, IA, April 27, 2002
- “Managing Dementia” Alzheimer’s Association CME Conference, Hawkeye Community College, Waterloo, IA, June 6, 2002
- “Schizophrenia and Aging” National Alliance for the Mentally Ill, Iowa City Chapter meeting, May 21, 2003

- “Psychosis in Late Life” Alzheimer’s Association Conference, Allen Hospital, Waterloo, IA, May 27, 2003
- “Managing Psychiatric Symptoms in Dementia” Legacy Pointe Assisted Living Facility Inservice, October 17, 2003
- “Memory Problems in Older Adults” Community education program, Iowa City Senior Center, February 4, 2004
- “Psychiatric Symptoms in Alzheimer’s Disease” Alzheimer’s Association Conference for caregivers and health professionals, Allen Hospital, Waterloo, IA, March 25, 2004
- “Aging and Mental Illness” Bryan/Lincoln General Hospital Mental Health Conference, Keynote speaker, Mental Illness Awareness Week, Lincoln, NE, October 6, 2004
- “Management of Schizophrenia in Late-life” Long-term Care Conference, Iowa Veterans Home, Marshalltown, IA, October 22, 2004
- “Psychiatric Problems with Alzheimer’s Disease” Ridgeview Assisted Living, Cedar Rapids, IA, January, 2005
- “Memory Problems in Late Life” Kirkwood Local Television Programming, The Involvement Report, aired February-March, 2005
- “Atypical Antipsychotics in Dementia Care” UI Interdisciplinary Geriatric Grand Rounds, 3W19C, November 23, 2005
- “Dementia and Depression” Aging and Mental Health Conference hosted by the UI College of Medicine, University of Iowa Hospitals East Room, January 27, 2006
- “Management of Dementia” Kirkwood Community College, Cedar Rapids, IA, January 29, 2006
- “Psychiatric Consequences of Dementia” Community outreach talk, Methwick Retirement Center, Cedar Rapids, IA, February 28, 2006
- “Antipsychotic Medications in the Elderly” Iowa City VAMC General Medicine Grand Rounds, ICVAMC 3W-19, April 4, 2006
- “Integration in Primary Care” Dept of Family Medicine and Internal Medicine and Psychiatry CME conference, Iowa City, IA, August 25, 2006
- “Managing Emotional Symptoms of Dementia” Greater Iowa Alzheimer’s Association Conference, Des Moines, November 7, 2006
- “Dementia Syndromes and their Management” Iowa Geriatric Education Center state-wide grand rounds presentation, May 16, 2007
- “Managing Psychiatric Symptoms in Dementia: Subtypes of Dementia” Iowa City Veterans Administration Grand Rounds, Iowa City IA, ICVAMC 3W-19, May 17, 2007
- “Antipsychotic Medications in Dementia” Iowa Geriatric Education Center Grand Rounds, Iowa City Veterans Administration 3W-19, November 21, 2007

- “Managing Emotional Complications of Dementia” College of Medicine CME Outreach Program, Mason City, IA, April 18, 2008
- “Emerging Immunotherapies for Alzheimer’s Disease” Iowa Geriatric Education Center Grand Rounds, Iowa City Veterans Administration 3W-19, May 13, 2009
- “Diagnosis of Dementia” General Federation of Women’s Clubs Regional conference, Cedar Rapids Marriott, October 10, 2010
- “Risk Factors for Mild Cognitive Impairment” American Academy of Clinical Psychiatrists Annual meeting, Chicago, IL, April 16, 2011
- “Managing Behavioral Symptoms of Dementia ” American Academy of Clinical Psychiatrists Annual meeting, Chicago, IL, April 17, 2011
- “Emotional and Behavioral Problems with Aging” Friendship Home Dementia Support Group, Waterloo, IA May 16, 2011
- “Psychiatric Issues for Older Adults” ElderCare Services, Iowa City, Iowa, June 7, 2011
- “New Research on the Diagnosis and Treatment of Alzheimer’s Disease” UI Lifelong Education Program (LEAP) Lunch and Learn Program, August 16, 2011
- “New Advances in Alzheimer’s Research” UI Department of Psychiatry Research Seminar, February 12, 2012
- “Brain Imaging and New Diagnostic Measures for Alzheimer’s Disease” Iowa Psychiatric Society Annual Meeting, Iowa City, October 13, 2012
- “Managing Dementia Patients with Behavioral Disturbances” Iowa Chapter of the American Medical Directors Association Annual Meeting, Des Moines, IA, November 2, 2012
- “Healthcare in the Elderly” Annual Conference presentation “Diagnostic Imaging in Alzheimer’s and Other Dementias,” University of Iowa Geriatric Program, Iowa City, IA, January 25, 2013
- “New Tests to Help Diagnose Alzheimer’s Disease.” Pioneer Place Assisted Living, Lone Tree, Iowa, March 28th, 2014.
- “Understanding the Diagnosis and Progression of Memory Decline and Dementia” Highland Ridge Community, April 28th, 2014.
- “Non-AD Dementias and Delirium” Geriatric Lecture Series, Iowa Geriatric Education Center, Geriatric Lecture Series, Spring 2015.